

**SITE SUMMARY REPORT**  
**NCDOT Project K-3807**  
**I73/74 and US 220 Bypass Northbound Rest Area**  
**Randolph County**

Hurricane Recovery Act of 2005  
State of North Carolina  
State Contract N06009S  
Schnabel Project No. 06210002.1C

December 3, 2007

Prepared for:

North Carolina Department of Environmental and Natural Resources  
Superfund Section  
Inactive Hazardous Sites Branch  
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## SITE LOCATION RESEARCH SUMMARY

ID NUMBER: Not Assigned  
SITE NAME(S): NCDOT Project K-3807  
LOCATION: North of Montgomery County line, I73/74 and US 220 Bypass  
Northbound Rest Area  
COUNTY: Randolph

LANDFILL SIZE: 4.8 acres (Disposal Area enclosed by GPS points obtained during site visit and perimeter identified from aerial photographs)  
PROPERTY SIZE: 112.7 acres (from Randolph County GIS)  
DATE OPENED: Early to mid 1990's (based on information from NCDOT)  
DATE CLOSED: Late 1990's (based on aerial photographs)

CURRENT OWNER: NC Department of Transportation  
CURRENT CONTACT: Cyrus Parker, GeoEnvironmental Supervisor, Geotechnical Engineering Unit  
CURRENT OWNER ADDRESS: NCDOT, P.O. Box 1164, Asheboro, NC 27204  
CURRENT OWNER TELEPHONE NUMBER: 336-625-9254  
TAX PARCEL No./PIN No.: Parcel No. 7664637166  
DEED REFERENCE: DB1965, P1044

COORDINATES: (at site entrance from on-site reading from handheld GPS)  
State Plane Coordinates (NAD83, meters): Northing: 538857 Easting: 195939  
Latitude: N34° 11' 26.2" Longitude: W83° 49' 59.5"

### AREAS OF NOTE

1. NCDOT is planning to build a rest area on the Site.
2. A perennial stream valley has been filled with up to 10 to 20 feet of material on the central part of the Disposal Area.
3. A drainage is located along the southeastern perimeter of the Disposal Area.

## **SITE SUMMARY**

### **1.0 SITE CONDITIONS**

This section discusses the observed conditions on the Site, as defined as the property (tax parcel) on which the Disposal Area is located. The Disposal Area is defined as the area observed or reported to have been used for waste placement or burial. The boundary (perimeter) of this area is the observed limit of waste material based on field observations and the inferred limit based on a review of historical aerial photographs. Photographs illustrating site conditions are included in Appendix D.

#### **1.1 On-site Structures**

No on-site buildings or other structures were present during the site visit.

#### **1.2 Current Site Usage**

The Site is currently vacant. NCDOT is planning to build a rest area on the Site.

#### **1.3 On-Site Water Supply Wells and Intakes**

No on-site water supply wells were observed on the Site during the site visit. No water meters or fire hydrants were observed on the Site during the site visit.

#### **1.4 Surface Water Features**

Based on the 1973 USGS topographic map, a perennial stream is located on the central part of the Disposal Area, and flows from northeast to southwest. During the site visit, the perennial stream was not observed on the central part of the Disposal Area. A drainage was observed along the southeastern perimeter of the Disposal Area. The drainage was approximately three feet wide and dry at the time of the site visit.

## **1.5 Disposal Area**

Access to the Disposal Area is from a dirt road off of Business 220 (Photo 1). The Disposal Area occupies 4.8 acres based on the Disposal Area perimeter shown on Figures 1 through 3.

The Disposal Area generally slopes to the southwest. A comparison of the topography from the 1973 USGS 7.5 minute topographic quadrangle map (10 foot contours) with the 2005 topographic map from NCDOT GIS Branch (10 foot contours) indicates that a perennial stream valley has been filled with up to 10 to 20 feet of material on the central part of the Disposal Area. This has diverted surface water to flow in a newly formed drainage along the southeastern perimeter of the Disposal Area. Differences in scale and methods of mapping are not sufficient to evaluate some changes in topography.

Based on the comparison of the 1973 USGS 7.5 minute topographic quadrangle map with the 2005 topographic map from NCDOT GIS Branch, five to ten feet of material has been placed to the northeast of the mound which was observed during the site visit.

GPS coordinates were taken of the Disposal Area perimeter. When brush and steep topography prevented an accurate GPS coordinate from being obtained, the coordinates were taken from as near to the visible Disposal Area perimeter as was practical. The approximate Disposal Area perimeter is illustrated on the figures and on aerial photographs in Appendix E. A table of GPS coordinates for the Site entrance and the Site perimeter is presented in Table 1. The Disposal Area perimeter location is approximate and is based on visual observations made at the time of the site visit and interpretation of aerial photographs.

## **1.6 Disposal Area Conditions**

The Disposal Area was covered with tall grass, shrubs, briars, and pine trees up to three to five inches in diameter. Visible surface debris included tires and pieces of concrete; however, dense vegetative ground cover obscured much of the surface. A mound with a relatively flat top approximately seven feet above the surrounding surface may partially delineate the fill area

boundary. The toe of the mounded area on the northern, eastern, and southern perimeters was visually evident, and the western perimeter was difficult to identify due to dense vegetation.

The observed Disposal Area was on a single tax parcel, Parcel Number 7664637166. The northern and southern perimeters of the Disposal Area were visually evident and the eastern and western perimeters of the Disposal Area were difficult to identify.

No notable erosion, depressions or hummocky topography, offensive odors, stained or discolored soils, or slope failures were observed during the site visit.

### **1.7 Evidence of Human Activity**

The NCDOT is planning to build a rest area on the Site. Survey flags and bare soil were present on the Site from subsurface investigations and surveying recently performed by NCDOT and their contractor (Schnabel Engineering).

### **1.8 Potential Landfill Gas Migration Pathways**

There were no visible or evident potential gas migration pathways such as stormwater drain systems, underground utilities, septic systems, or drain fields observed on the Disposal Area or on the Site.

### **1.9 Physical Barriers**

Site access is provided by a dirt road from Business 220. Physical barriers were not observed along the property boundaries.

## 1.10 Other Pertinent Information

Some history of the Site was obtained during conversations with persons familiar with the Site. The information obtained indicates that:

- Correspondence from Cyrus Parker, NCDOT, GeoEnvironmental Supervisor, Geotechnical Engineering Unit, states that the NCDOT obtained the Site from Mr. Mike Braswell in 2006. Mr. Iam King, deceased, owned the property before Mr. Braswell.
- The Site was used as a borrow pit for the construction of US 220 Bypass in the early to mid 1990's.
- The "Disposal Area" was reportedly used as a borrow pit for the construction of US 220 Bypass in the early to mid 1990's. After the completion of US 220 Bypass, the pit was reportedly backfilled.
- A report titled: "Former Borrow and Fill Area Trench Excavation" was submitted to the NCDOT on October 16, 2007 by Schnabel Engineering.
- A letter dated October 3, 2007 was provided to Cyrus Parker, GeoEnvironmental Supervisor, NCDOT Geotechnical Engineering Unit, by Hugh Jernigan, Environmental Senior Specialist, North Carolina Solid Waste Section, in reference to the Site (Appendix C). Mr. Jernigan stated in the letter that based on his inspection of the excavated material and review of the "Former Borrow and Fill Area Trench Excavation" report, that "the materials on site consist of soils, rock, and other incidental inert debris, otherwise classified as beneficial fill" and that "there is no landfill on the site in the areas in question."

Notes from conversations with people familiar with the site are included in Appendix C. The information obtained from these conversations has not been verified or confirmed.

## **2.0 VICINITY CONDITIONS**

This section describes the observed general conditions in the vicinity of the Site, as defined as an area within 1,000 feet of the perimeter of the Disposal Area. Photographs illustrating vicinity conditions are included in Appendix D.

### **2.1 Structures Located on Adjacent Properties**

Structures described in this section are located on adjacent properties that have a shared property boundary with the Site.

A house is located on Tax Parcel 7664841248 to the northeast of the Site. This structure is shown on aerial photographs in Figures E-2 through E-5 in Appendix E.

### **2.2 Water Supply Wells and Intakes**

Water supply wells or well houses were not observed at residences along Business 220 within a 1,000-foot radius of the Disposal Area. Water meters were observed in the yards of several of the residences within 1,000 feet of the Site. Fire hydrants were not observed within 1,000 feet of the Site.

No public water supply wells or intakes were listed on the NCDENR Public Water Supply Section's database (as of January 2007) within two miles of the Disposal Area.



### 2.3 Current Land Usage

Property in the vicinity of the Site is primarily wooded. Land usage at the time of the site visit within 1,000 feet of the Disposal Area perimeter was:

- North:** Wooded and residential, apparent up-gradient direction from the Site.
- South:** Wooded, apparent down-gradient direction from the Site.
- East:** Business 220 and wooded, apparent up-gradient direction from the Site.
- West:** US 220 and wooded, apparent up-gradient direction from the Site.

### 2.4 Surface Water Features

An unnamed perennial stream is located approximately 500 feet to the west of the Site. The unnamed perennial stream was not observed during the site visit.

### 3.0 AERIAL PHOTOGRAPHY REVIEW

Aerial photographs were reviewed for the years 1957, 1966, 1999 and 2004. The reported years of operation of the Site were from the early to mid 1990's to the late 1990's. Observations of each of the photographs are included in the following table. Copies of the aerial photographs are included in Appendix E. Some aerial photographs are reproductions of original aerial photographs and have some distortion; therefore, overlaid Disposal Area Boundaries and other features may vary from their actual locations. Hand drawn lines and notations on the original photographs denote soils mapping information drawn by the USDA NRCS.

Flight Year	Observations	Source
1957	Vegetation covers the Disposal Area.	1
1966	Vegetation covers the Disposal Area.	1
1999	The Disposal Area has been cleared of vegetation. Grass and trees are in the vicinity of the Disposal Area. A dirt road accesses the Disposal Area from the east. US 220 has been built to the west of the Site.	2
2004	Trees are located on the north and northwestern parts of the Disposal Area. Grass covers other parts of the Disposal Area. The aerial photograph shows conditions representative of those observed during the visit.	3

Sources of aerial photos:

- 1) USDA NRCS office in Asheboro, NC
- 2) [www.terraserver-usa.com](http://www.terraserver-usa.com) and MapTech Terrain Navigator digital images of USGS orthophotoquadrangles
- 3) Randolph County GIS, [www.co.randolph.nc.us/scripts/esrimap](http://www.co.randolph.nc.us/scripts/esrimap)

This report was prepared specifically for the use of NCDENR Inactive Sites Branch under the Scope of Work defined in our contract dated October 26, 2005. Use of this document for other purposes or by other parties is at the sole risk of the user.

## TABLE

**TABLE 1**  
**Tabulated GPS Coordinates**

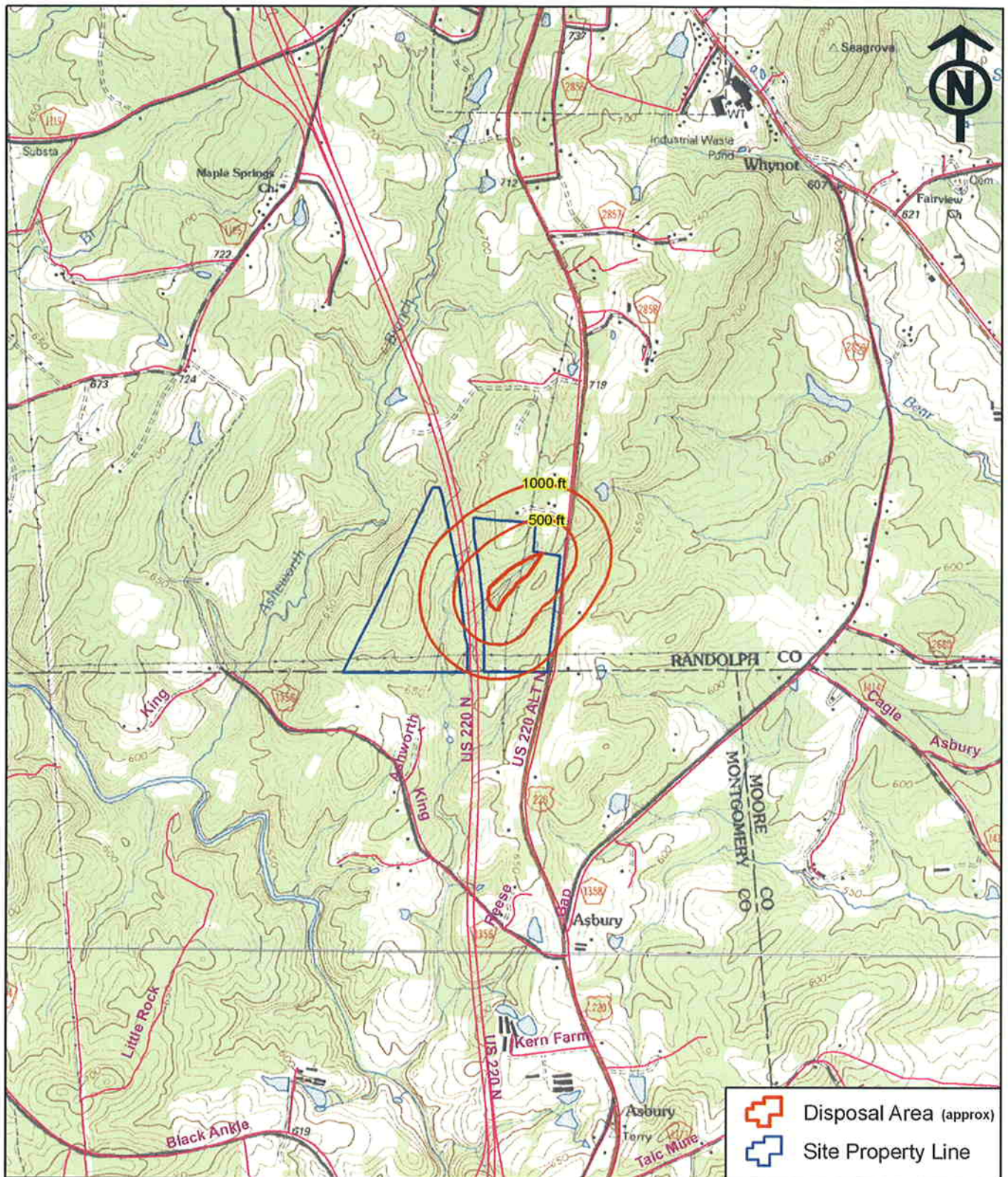
Point	State Plane Coordinates (meters)		Latitude (deg, min, sec)	Longitude (deg, min, sec)
	Northing	Easting	N	W
Site Entrance 001	538858	195939	34 11 26.2	83 49 59.5
P-1	538816	196037	34 11 27.1	83 50 00.1
P-2	538896	196110	34 11 27.9	83 49 59.2
P-3	539039	196186	34 11 28.7	83 49 57.5
P-4	539047	196185	34 11 28.7	83 49 57.4
P-5	538983	196089	34 11 27.7	83 49 58.1
P-6	538937	196056	34 11 27.4	83 49 58.6
P-7	538917	196025	34 11 27.1	83 49 58.9
P-8	538888	195997	34 11 26.8	83 49 59.2
P-9	538861	195954	34 11 26.3	83 49 59.5
P-10	538840	195938	34 11 26.2	83 49 59.7
P-11	538815	195962	34 11 26.4	83 50 00.0
P-12	538808	195996	34 11 26.7	83 50 00.1
P-13	538811	196022	34 11 27.0	83 50 00.1

Notes:

- 1) All points P-1 through P-13 are on observed Disposal Area perimeter.
- 2) Data obtained during site visit using WAAS enabled Thales Mobile Mapper.
- 3) All points in NAD83 datum.

## FIGURES





Source: 1. USGS 7.5' Quadrangle, Seagrove, NC,  
1973, Photorevised 1994  
Contour Intervals=10ft

2,000 1,000 0 2,000  
Feet  
Scale: 1:24,000

**Schnabel**  
Schnabel Engineering

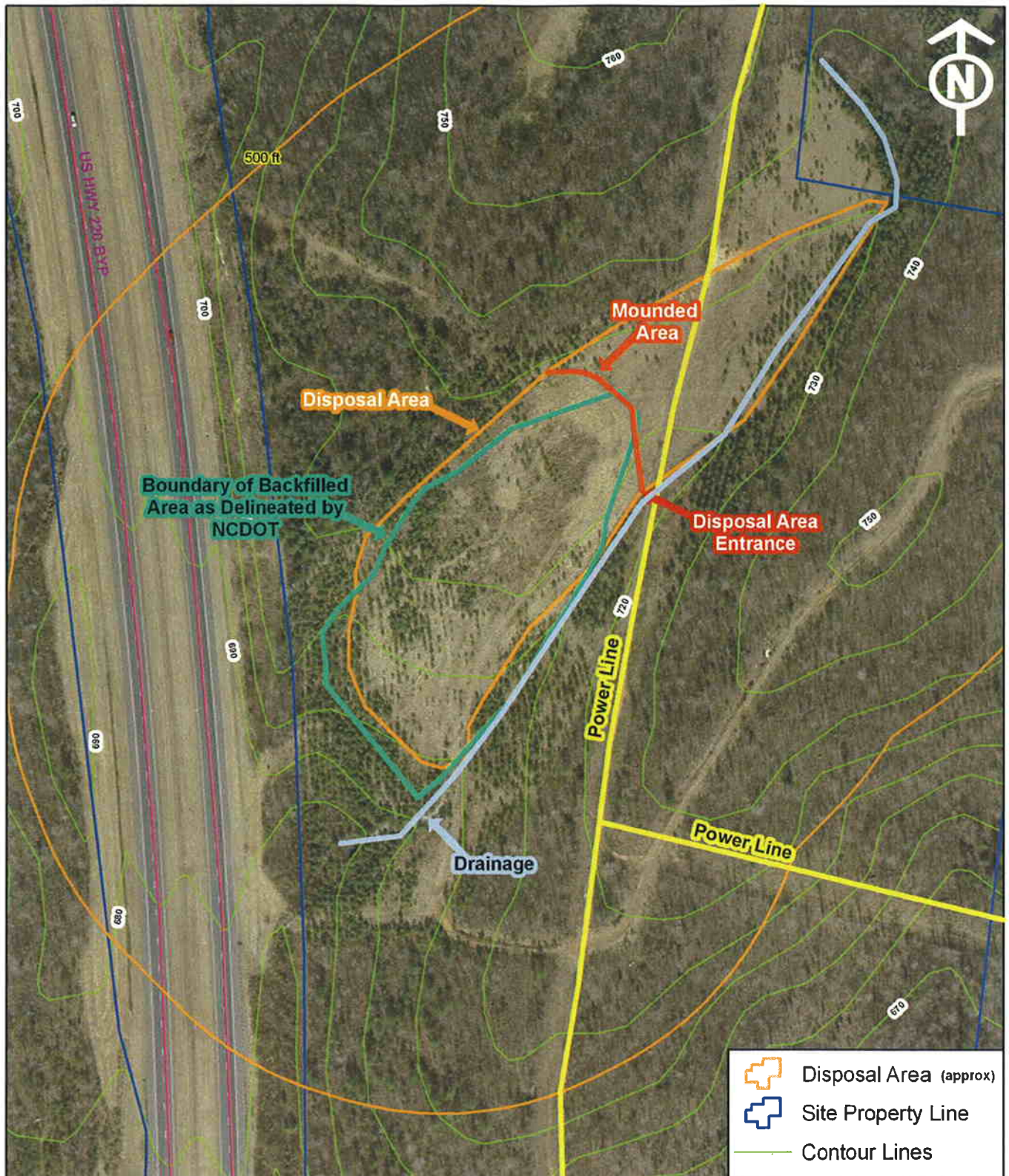
NCDENR  
OLD LANDFILL ASSESSMENT

NCDOT Project K-3807  
Randolph County, NC

USGS TOPOGRAPHIC MAP

Figure 1





**Source:** 1. Randolph County, NC, GIS Department  
<http://www.co.randolph.nc.us/scripts/esrimap.dll?name=randolph>  
 2. Contours, 10 foot, NCDOT GIS Branch, March 10, 2005



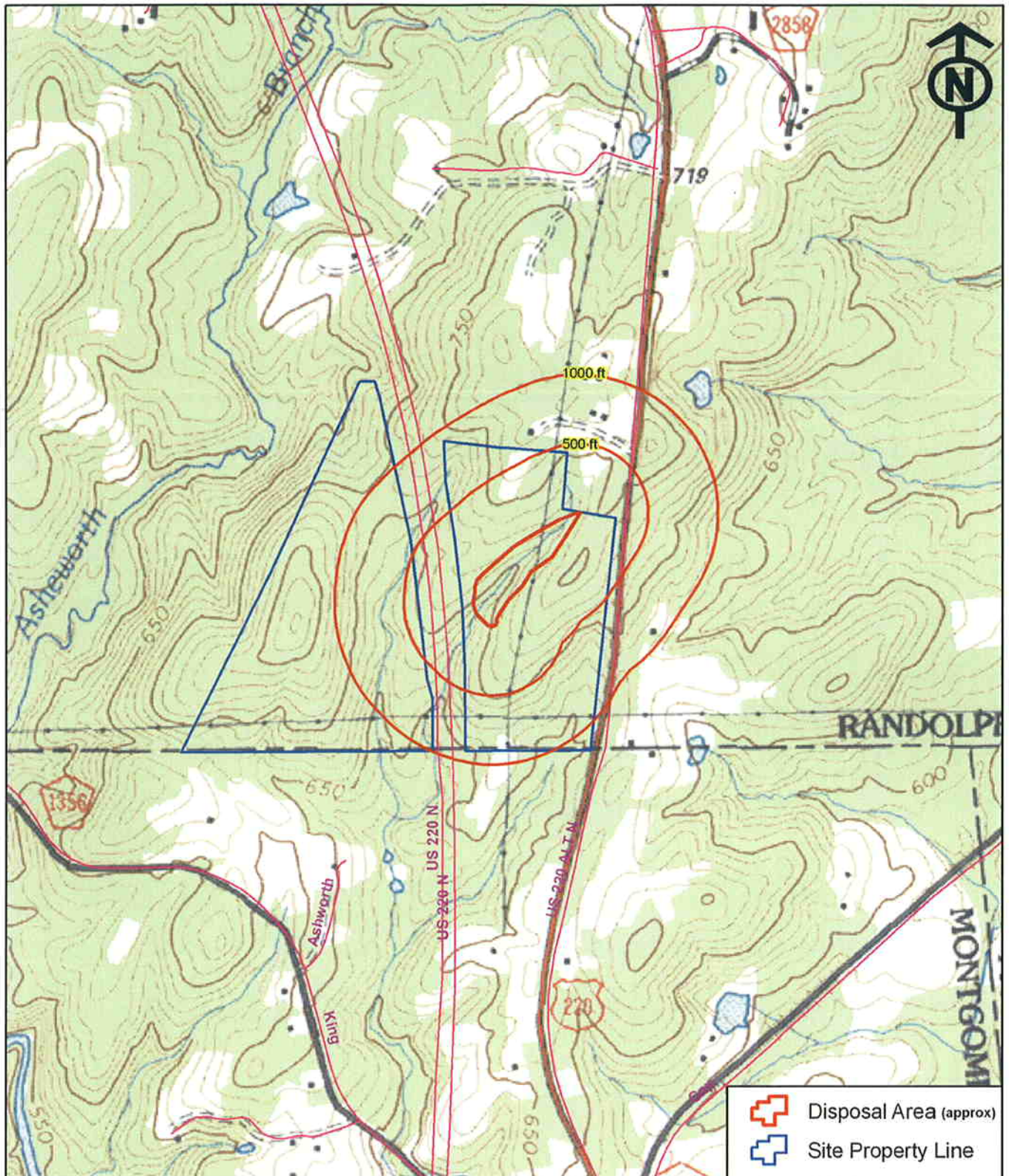
NCDENR  
 OLD LANDFILL ASSESSMENT

NCDOT Project K-3807  
 Randolph County, NC

SITE MAP

Figure 2





Source: 1. USGS 7.5' Quadrangle, Seagrove, NC,  
1973, Photorevised 1994  
Contour Intervals=10ft

1,000 500 0 1,000  
Feet  
Scale: 1:12,000



NCDENR  
OLD LANDFILL ASSESSMENT

NCDOT Project K-3807  
Randolph County, NC

VICINITY MAP

Figure 3



APPENDIX A  
Field Reconnaissance Sheet

## NCDENR Old Landfill Assessment

### FIELD RECONNAISSANCE SHEET

Site visit performed by:

Date and time:

Weather:

Escort (with title and organization)

Project Task No.

Ben Bradley  
September 13, 2007 1300  
Sunny 80°  
No escort  
Schnabel Project No.: 06210002.1 c

#### Site Information

(Site Area: The property or properties on which the Disposal Area is located. If the Disposal Area boundary cannot be identified, then the Site Area and Disposal Area boundaries are the same.)

NCDENR ID No.	Not assigned
Site Name:	NCDOT Site
Site Address:	North of Montgomery 6 line, East side of 220.
County:	Randolph
Owner address:	NCDOT, P.O. Box 1164, Asheboro, NC 27204
Owner phone number:	336-625-9254

#### On-Site Structures for Site Area including Disposal Area

Any buildings located onsite? Y or N Approximate age of building(s) \_\_\_\_\_

Location of building(s) \_\_\_\_\_

Building utilization (i.e. residential, retail store, barn, etc.) \_\_\_\_\_

Is building on a slab or is it a raised foundation with a crawl space? \_\_\_\_\_

Is there a water supply well at or near the building? \_\_\_\_\_

Are there any indications of former onsite buildings? \_\_\_\_\_

Any evidence of human activity? Y or N Describe in detail: \_\_\_\_\_

NCDOT is conducting an investigation of the Site to build a rest stop.

## Current Use of Site and Disposal Areas

What is the current use of the site (residential, church, daycare, school, business, agricultural, etc.)?

The Site is not used. It may be used as a rest stop in the future.

What is the ground cover (grass, scrub trees, large trees, pasture, agricultural field, bare ground)?

Tall grass, pine trees 4 to 5 inches in diameter, briars, bushes.

### Available utilities on site and location:

Utility	Provided by	Location of Utility
Electricity Y or N		
Natural Gas Y or N		
Water Y or N		
Sewer Y or N		
Solid Waste Y or N		

On-Site Water Wells		
Well Number	Location	Working or Abandoned
Water Well(s)		

DRAINAGES				
Location	Width (ft)	Stream Bed*	Flow*	Water Quality*
SE Rain.	3'	sand	Dry	Dry
		*Mud, Sand, Gravel, Boulders, Combination	*Standing Water, Slow Flow, Fast Flow	*Clear, Cloudy, Muddy

STANDING WATER				
Location	Approx Size	Type*	Natural or Modified Topography?	Water Quality*
	None	observed		
		*Swamp, Poor Drainage, Lake, Pond		*Clear, Cloudy, Muddy

General topography of the site (which way does surface water flow)?:

Hilly. Surface water flows toward the southwest.

### DISPOSAL AREA

(Disposal Area: The area observed or reported to have been used for waste placement or burial. The perimeter of this area is the observed limit of waste material based on field observations, or the inferred limit based on a review of historical aerial photographs.)

DISPOSAL AREA BOUNDARY				
Perimeter	Boundary Type	Visibility	Water Discharge?	Water Quality
Northern	Wooded	✓		
Southern	↓	✓		
Eastern	↓	DTT	None	
Western	✓	✓		
	Wooded, Pasture, Residential, Creek, etc.	Clearly Visible, Visible, Difficult to Identify, Not Found	Seep, Standing Water, Flowing Water	Clear, Cloudy, Muddy

### **Disposal Area:**

Names of adjacent roads: US 220 & Bus. 220

Access to Disposal Area: Dirt road from Bus-220

General slope and topography of Disposal Area: D.A. is a mound with a relatively flat top & steep perimeter.

### Disposal Area Conditions

Describe the feature and location of any of the conditions observed. Take photographs of observed features. Note if feature not observed.

Disposal Area Ground Cover (grass, trees (include diameter), bushes, waste, litter, dirt, rock):

Tall grass, Pine trees three to four inches, briars, bushes

Erosion: None

Cemetery: None

Slope failure: None

Seeps: None

Odor: None

Stained Soil: None

Evidence of waste deposition based on topographic changes (depressions, holes, hummocky, piles of soil, berms):

D.A. is mounded up,

Exposed Debris: Tires, metal debris

Physical Barriers at Disposal Area Boundary: None

Potential Landfill Gas Migration Pathways: None

Physical barriers to Site Area: None

Physical barriers to Disposal Area: Dense vegetation.

Evidence of Human Activity: NCDOT Survey crews.

**Other site information which will help NCDENR prioritize the site:**

Since the site was closed, the site area and disposal area have been used by whom and for what purpose?

The NCDOT purchased the land to build a rest stop.

**Vicinity Conditions**

**Vicinity Area:** The area within 1,000 feet of the perimeter of the Disposal Area.

**Adjacent and Adjoining Properties** (note for ALL properties adjoining within 1,000 ft of perimeter of the Disposal Area):

Describe structure(s) on adjacent properties that have a shared property boundary with the Site.

Wooded. Residents to the NE of Site

Are there fire hydrants and/or water meters present within 500 feet of the site? Y or (N)

Describe: \_\_\_\_\_

Are there fire hydrants and/or water meters present within 1,000 feet of the site? (Y) or N

Current Land Usage in Vicinity		
Direction	Description (i.e. wooded, residential, commercial)	Topographically Upgradient or Downgradient
North	Wooded + Residential	Up-gradient
South	Wooded	Down-gradient
East	Wooded	up-, and down-gradient
West	Wooded	up-gradient

Describe properties in detail. Are they gasoline stations, industry, dry cleaners, landfills, junk yards, residences, office buildings, etc.?

Residence to north.

Land use of the surrounding area as a whole: Commercial, Residential, Agricultural, Industrial, or Wooded (Circle answer)

### Surface Water Features:

Are there any surface water bodies (i.e. ponds, creeks, swamps, lagoons) within 500 or 1,000 feet of the site? (Y or N) Describe:

Perennial stream located about 500 ft  
to the west of the site.

### Photos

Photos to be taken of:

Entrance to Site Area (property that Disposal Area is on)	(✓)
Site Area	✓
Disposal Area	✓
Facing north from northern perimeter	✓
Facing south from southern perimeter	✓
Facing east from eastern perimeter	✓
Facing west from western perimeter	✓
Any onsite surface water bodies or stream beds (note location in appropriate section)	✓
Any important onsite conditions (debris, buildings, utilities, etc and note location)	✓
Any important offsite conditions (debris, wells, surface water, etc. and note location)	✓

G:\2006\_Projects\06210002\_(NCDENR\_Old\_Unlined\_Landfill)\Project\_Templates\FieldReconSheet-2007-03-19.doc

## APPENDIX B

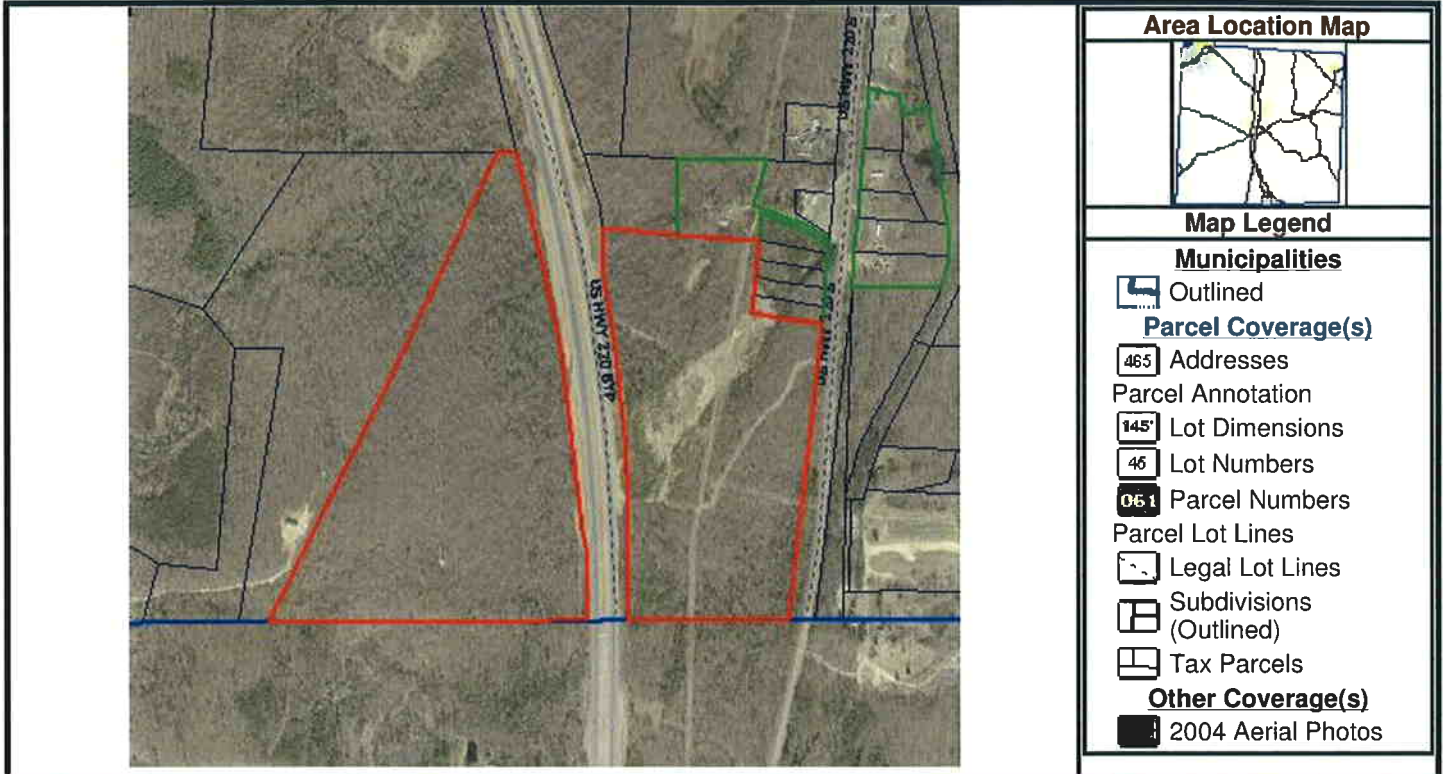
### Tax Records



## Randolph County, NC - Printable Parcel Map

The data collection used to produce this media was last updated on 8/22/2007 @ 11:57:17 AM EST.

<b>Parcel ID Nbr</b>	7664637166
<b>Owner Name</b>	N C DEPT OF TRANSPORATION
<b>Owner Address</b>	P O BOX 1164
<b>Owner City/St/Zip</b>	ASHEBORO, NC 27204-1164
<b>Property Description</b>	R220;W R220B BOTH



<p><b>Date/Time Stamp</b></p> <p>8/29/2007 7:44:23 AM EST</p> <p>Version 3.2 (September 2005) Server: 02</p>	<p>All information on this media is prepared for the inventory of real property found within Randolph County. All data, including maps, is compiled from recorded deeds, plats, and other public records and data. Users of this data are hereby notified that the aforementioned public primary information sources should be consulted for verification of the information. All information contained herein was created for the County's internal use. Randolph County, its agents and employees make no warranty as to the correctness or accuracy of the information set forth on this media whether express or implied, in fact or in law, including without limitation the implied warranties of merchantability and fitness for a particular use. Any resale of this data is strictly prohibited in accordance with North Carolina General Statute 132-10. Grid is based on North Carolina State Plane NAD83.</p>
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Close Window

APPENDIX C  
Records of Communication



## RECORD OF CONVERSATION CORRESPONDENCE

**SCHNABEL STAFF:** Ben Bradley

**DATE/TIME:** September 10, 2007

**INTERVIEW WITH:** Cyrus Parker

**PHONE NO.:** 919-250-4237

**TITLE:** GeoEnvironmental Supervisor

**FAX NO.:**

**ORGANIZATION:** NCDOT Geotechnical Engineering Unit

**ADDRESS:** 1020 Birch Ridge Drive, Raleigh, NC 27610

**PROJECT:** NC DENR Old Unlined Landfill Assessments 06210002.1C

**SITE NAME AND NCDENR ID NO.:** NCDOT Project K-3807

**SUBJECT:** Correspondence

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### NOTES:

On September 10, 2007 Ben Bradley obtained correspondence from Cyrus Parker, NCDOT, GeoEnvironmental Supervisor, Geotechnical Engineering Unit, dated August 30, 2007 which provided some information about NCDOT Project K-3807.

The correspondence stated that the prior owner of the Site was Mark T. Braswell, 616 Cypress Drive, Asheboro, NC 27205 (336)-629-6342.

The correspondence stated that the Site was acquired by the NCDOT from Mr. Braswell in 2006.

The correspondence stated that the owner previous to Mr. Braswell was Mr. Iam King (deceased).

The correspondence stated that the Site was used as a borrow pit for the construction of US 220 Bypass in the early to mid 1990's.

North Carolina  
Department of Environment and Natural Resources

Michael F. Easley, Governor  
William G. Ross, Secretary  
Dexter R. Matthews, Director



WINSTON-SALEM REGIONAL OFFICE  
DIVISION OF WASTE MANAGEMENT  
SOLID WASTE SECTION  
October 3, 2007



Cyrus F. Parker, LG, PE  
GeoEnvironmental Supervisor  
NCDOT Geotechnical Engineering Unit  
1020 Birch Ridge Drive  
Raleigh, NC 27610

RE: Evaluation of DOT Property, off Highway 220, Randolph County, near Montgomery County Line

Dear Mr. Parker,

Reference is made to the above-mentioned DOT property, for which there are plans to construct a rest area with associated buildings and parking areas. During our initial conversations in September, you reported there was potentially a landfill on the site in the areas of the proposed locations for buildings and parking.

I inspected the site on September 13, 2007 and observed excavation and trenching activities being conducted by consulting firms DOT had contracted to evaluate and characterize the buried materials on site. Based on my inspections and the results of the characterization of the site by the consulting firms, it appears there is no landfill on the site in the areas in question. Based on my observations, subsequent photos sent by you, and historical notes, the materials on site consist of soils, rock, and other incidental inert debris, otherwise classified as beneficial fill. The Solid Waste Section does not require a site to be permitted for beneficial fill under 15A NCAC 13B .0562 "Beneficial Fill". No vegetative waste, construction waste, or any type other waste which would cause the site to be considered an illegal landfill was found. The site apparently was a previous borrow site for the construction of the four-lane Highway 220. It appears the previous owners replaced soil and rock in some of the borrow areas.

Thank you for your assistance in this matter. If you have any additional questions, please feel to e-mail ([hugh.jernigan@ncmail.net](mailto:hugh.jernigan@ncmail.net)) or contact me by phone (336-771-5093).

Sincerely,

Hugh Jernigan, Environmental Senior Specialist  
N. C. Solid Waste Section

APPENDIX D  
Site Photographs





**PHOTOGRAPH No.: 1**

**Photo Taken: 09-13-07**

**LOCATION:**

State Project K-3807 Disposal Area entrance off of dirt road from Business 220.

**COMMENTS:**

Photo taken facing toward the southeast. The slope is the southeastern perimeter of the Disposal Area.



**PHOTOGRAPH No.: 2**

**Photo Taken: 09-13-07**

**LOCATION:**

Eastern part of Disposal Area.

**COMMENTS:**

Disposal Area is mounded up and covered with tall grass and pine trees of three to five inches in diameter. Photo taken facing toward the west.





**PHOTOGRAPH No.: 3**

**Photo Taken: 09-13-07**

**LOCATION:**

Eastern part of Disposal Area.

**COMMENTS:**

Photo taken facing toward the east. Sloped area is eastern perimeter of Disposal Area. Bare soil from September 2007 NCDOT subsurface investigation.



**PHOTOGRAPH No.: 4**

**Photo Taken: 09-13-07**

**LOCATION:**

Eastern part of Disposal Area.

**COMMENTS:**

Exposed tire. Bare soil from September 2007 NCDOT subsurface investigation.



**PHOTOGRAPH No.: 5**

**Photo Taken: 09-13-07**

**LOCATION:**

Central part of Disposal Area.

**COMMENTS:**

Photo taken facing toward the northwest. Bare soil from September 2007 NCDOT subsurface investigation.



**PHOTOGRAPH No.: 6**

**Photo Taken: 09-13-07**

**LOCATION:**

Central part of Disposal Area.

**COMMENTS:**

Photo taken facing toward the north. Dense vegetation. Trees represent northern Disposal Area perimeter.





**PHOTOGRAPH No.: 7**

**Photo Taken: 09-13-07**

**LOCATION:**

Western part of Disposal Area.

**COMMENTS:**

Photo taken facing toward the west. Bare soil from September 2007 NCDOT subsurface investigation.



**PHOTOGRAPH No.: 8**

**Photo Taken: 09-13-07**

**LOCATION:**

Central part of Disposal Area.

**COMMENTS:**

Photo taken facing toward the south. Bare soil from September 2007 NCDOT subsurface investigation.



**PHOTOGRAPH No.; 9**

**Photo Taken: 09-13-07**

**LOCATION:**

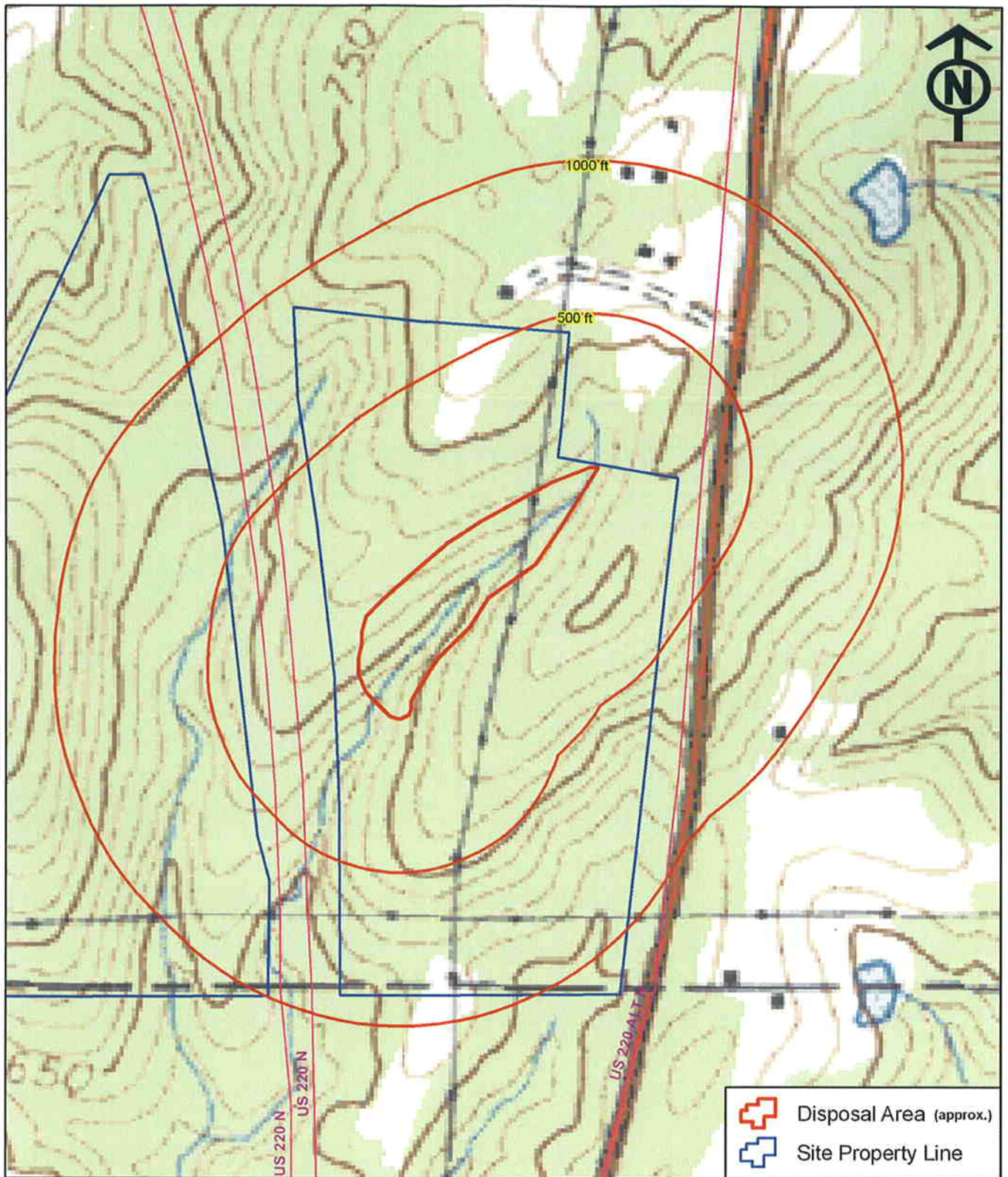
Central part of Disposal Area.

**COMMENTS:**

Photo taken facing toward the northeast.

APPENDIX E  
Aerial Photographs





Source: 1. USGS 7.5' Quadrangle, Seagrove, NC,  
1973, Photorevised 1994  
Contour Intervals=10ft

450 225 0 450 Feet  
Scale: 1:5,400



NCDENR  
OLD LANDFILL ASSESSMENT

NCDOT Landfill  
Randolph County, NC

TOPOGRAPHIC MAP AT  
AERIAL PHOTO SCALE

Figure E-1





Source: 1. Randolph County  
Soil and Water Conservation District  
(USDA NRCS)

450 225 0 450  
Feet  
Scale: 1:5,400



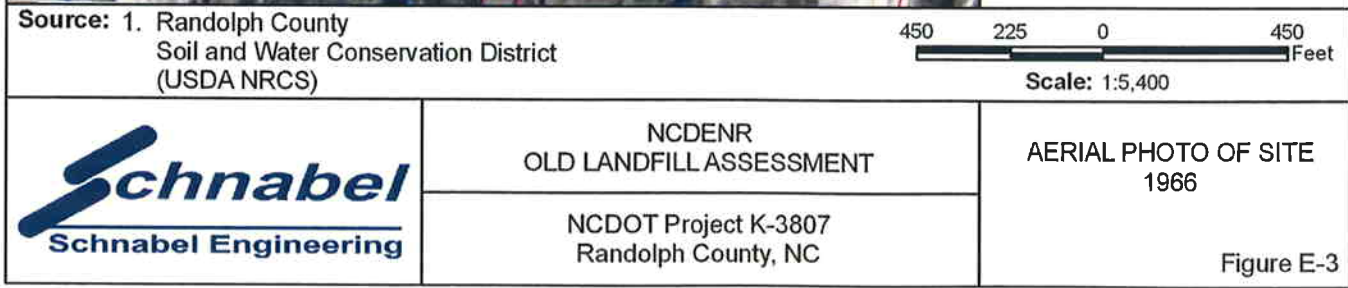
NCDENR  
OLD LANDFILL ASSESSMENT

NCDOT Project K-3807  
Randolph County, NC

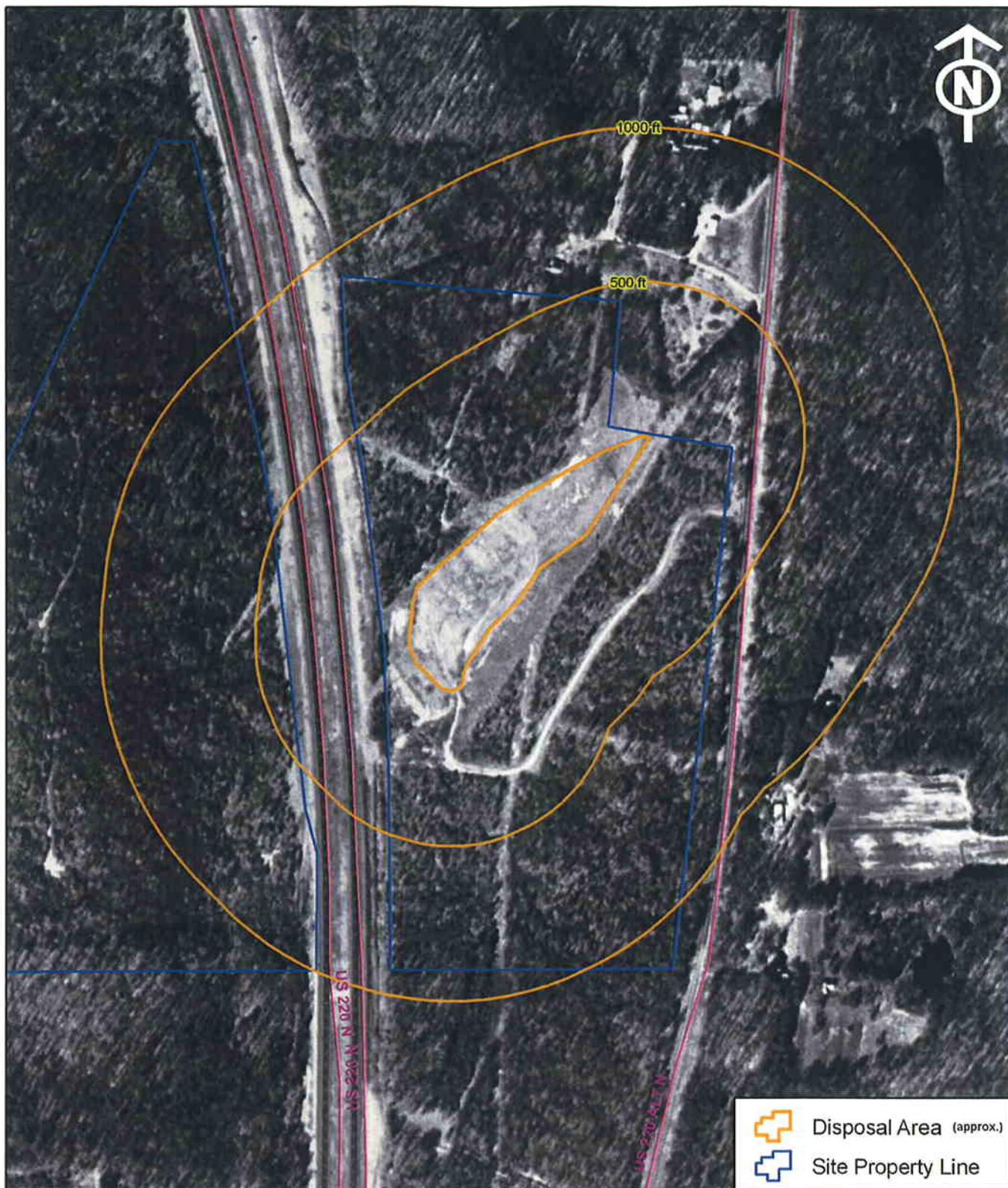
AERIAL PHOTO OF SITE  
1957

Figure E-2









Source: 1. <http://terraserver.microsoft.com>  
USGS Aerial Photography 3-14-1998

460 230 0 460  
Feet  
Scale: 1:5,400



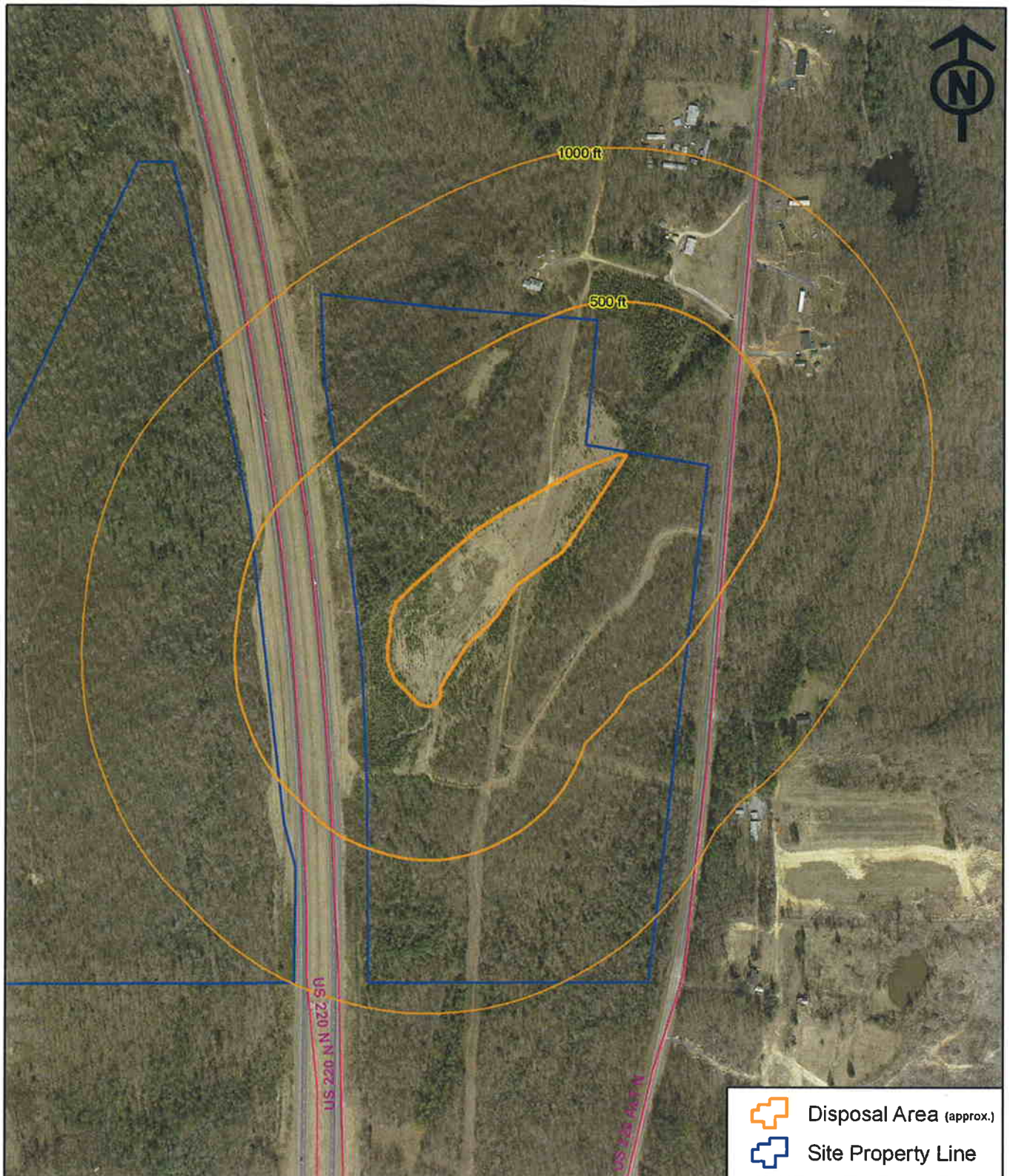
NCDENR  
OLD LANDFILL ASSESSMENT

NCDOT Project K-3807  
Randolph County, NC

AERIAL PHOTO OF SITE  
1999

Figure E-4





**Source:** 1. Randolph County, NC, GIS Department  
<http://www.co.randolph.nc.us/scripts/esrimap.dll?name=randolph>

450 225 0 450  
 Feet  
 Scale: 1:5,400



NCDENR  
 OLD LANDFILL ASSESSMENT

NCDOT Project K-3807  
 Randolph County, NC

AERIAL PHOTO OF SITE  
 2004

Figure E-5